

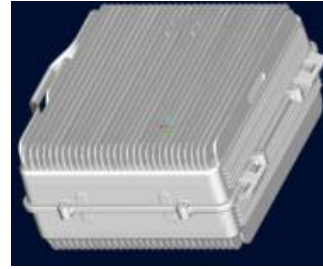


## SUNNY 37dBm IDEN High Power Line Amplifier

### Model : SRP-800-FB-37(LA)

#### Highlight

- ✧ FCC Compliance
- ✧ Single Band Full Band Repeater For IDEN
- ✧ Remote control by GSM/WCDMA or PSTN modem



#### Electrical Specifications

Model		SRP-800-FB-37(LA)	
Items		Specification	
		Uplink	Downlink
Frequency (MHz)		806-825	851-870
Output Power (dBm)		0	37
Ripple in-band (dB)		±3	
Gain(dB)		45±3	
Gain Adjustment Step (dB)		1dB	
Gain Adjustment Range(dB)		≥30	
Gain Adjustable Linear(dB)	10dB	±1.0	
	20dB	±1.0	
	30dB	±1.5	
ALC (dB)		20	
Noise Figure (dB)		≤5	
Time Delay (us)		≤5	
VSWR		1.5	
Frequency Tolerance (ppm)		≤0.05	
Peak Phase Error(°)		≤20	
RMS Phase Error (°)		≤5	
Inter-modulation Attenuation (dBc)		≤-13dBm	
Spurious Emission(dBm)	9kHz-1GHz	≤-36	≤-36
	1GHz-12.75GHz	≤-30	≤-30

#### Mechanical Specifications

I/O Port	N-Female
Impedance	50ohm
Operating Temperature	-25°C ~+55°C
Relative Humidity	Max. 95%
MTBF	Min. 100000 hours
Environment	IP65
Dimension	500*440*235mm
Weight	27Kg
Power Supply	DC-48V/AC220V(50Hz)/AC110V(60Hz)( ±15%)
Remote Monitoring Function	Real-time alarm for Door Status, Temperature, Power Supply, VSWR, Output Power
Remote Control Module	RS232 or RJ45 + Wireless or PSTN Modem + Chargeable Li-ion Battery

Technical data are subjected to change without notice – File: SRP-800-FB-37(LA) datasheet 2016V1.0

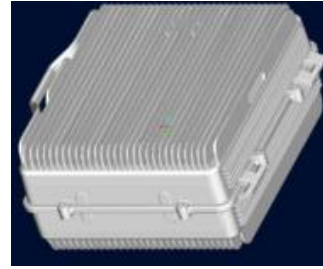


## SUNNY 37dBm IDEN High Power Repeater

### Model : SRP-800-FB-37

#### Highlight

- ✧ FCC Compliance
- ✧ Single Band Full Band Repeater For IDEN
- ✧ Remote control by GSM/WCDMA or PSTN modem



#### Electrical Specifications

Model		SRP-800-FB-37	
Items	Specification		
	Uplink	Downlink	
Frequency (MHz)	806-825	851-870	
Output Power (dBm)	33	37	
Ripple in-band (dB)	±3		
Gain(dB)	90±3		
Gain Adjustment Step (dB)	1dB		
Gain Adjustment Range(dB)	≥30		
Gain Adjustable Linear(dB)	10dB	±1.0	
	20dB	±1.0	
	30dB	±1.5	
ALC (dB)	20		
Noise Figure (dB)	≤5		
Time Delay (us)	≤5		
VSWR	1.5		
Frequency Tolerance (ppm)	≤0.05		
Peak Phase Error(°)	≤20		
RMS Phase Error (°)	≤5		
Inter-modulation Attenuation (dBc)	≤-13dBm		
Spurious Emission(dBm)	9kHz-1GHz	≤-36	≤-36
	1GHz-12.75GHz	≤-30	≤-30

#### Mechanical Specifications

I/O Port	N-Female
Impedance	50ohm
Operating Temperature	-25°C ~+55°C
Relative Humidity	Max. 95%
MTBF	Min. 100000 hours
Environment	IP65
Dimension	500*440*235mm
Weight	27Kg
Power Supply	DC-48V/AC220V(50Hz)/AC110V(60Hz)( ±15%)
Remote Monitoring Function	Real-time alarm for Door Status, Temperature, Power Supply, VSWR, Output Power
Remote Control Module	RS232 or RJ45 + Wireless or PSTN Modem + Chargeable Li-ion Battery

Technical data are subjected to change without notice – File: SRP-800-FB-37 datasheet 2016V1.0

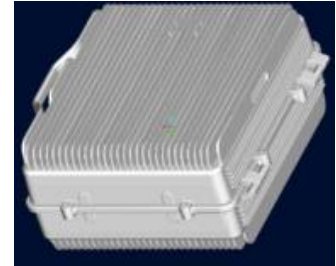


## SUNNY SRP-800 Series Full Band IDEN 37dBm High Power

### Fiber Optical Repeater

#### Highlight

- ✧ FCC Compliance
- ✧ Single Band Full Band Repeater For IDEN
- ✧ Remote control by GSM/WCDMA or PSTN modem



#### Electrical Specifications

Items	Specification	
	Uplink	Downlink
Frequency (MHz)	806-825	851-870
Output Power (dBm)	0	37
Ripple in-band (dB)	±3	
Gain(dB)	65±3@0dB optical loss	
Gain Adjustment Step (dB)	1dB	
Gain Adjustment Range(dB)	≥30	
Gain Adjustable Linear(dB)	10dB	±1.0
	20dB	±1.0
	30dB	±1.5
ALC (dB)	20	
Noise Figure (dB)	≤5	
Time Delay (us)	≤5	
VSWR	1.5	
Frequency Tolerance (ppm)	≤0.05	
Peak Phase Error(°)	≤20	
RMS Phase Error (°)	≤5	
Inter-modulation Attenuation (dBc)	≤-13dBm	
Spurious Emission(dBm)	9kHz-1GHz	≤-36
	1GHz-12.75GHz	≤-30

#### Optical Specifications

Optical Output Power	0~3dBm
Optical length	DL: 1310nm, UL: 1550nm
Optical Loss	≤10dB /Includes the loss of the optical splitter
Optical Connector	FC/APC

#### Power Supply and Mechanical Specifications

Model	SRP-800-FB-37(MU)	SRP-800-FB-37(RU)
Power Supply	AC220V±60V,45~55Hz	
Dimension	435mm*312mm*90mm	500*440*235mm
Weight	≤8kg	≤28kg
Max. Power Consumption	≤40W	≤300W
Operating Temperature	-5~+45℃	-25~+55℃
Operating Humidity	≤85%	≤95%
Environmental Class	IP20	IP65
RF Connector	N-Female, 50ohm	
MTBF	≥50000 hours	
Remote Monitoring Function	Real-time alarm for Temperature, Power Supply, VSWR, Output Power	
Remote Control Module	RS232 or RJ45 + Wireless or PSTN Modem + Chargeable Li-ion Battery	

Technical data are subjected to change without notice – File: SRP-800-FB-37(MU\_RU) datasheet 2016V1.0